	RRRRRRRR	UUU	UUU	NNN NNN	NNN NNN		0000000	<b>FFFFFFFFFFFFF</b>	FFFFFFFFFFFFFF
	RRRRRRRR	UUU	ŬŬŬ	NNN	NNN		0000000	FFFFFFFFFFFFF	FFFFFFFFFFFF
RRR	RRR	UUU	ÜÜÜ	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	ÜÜÜ	ŬŬŬ	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNN		000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNN		000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNNN		000	000	FFF	FFF
RRRRI	RRRRRRRR	UUU	UUU	NNN	NNN NNN	000	000	FFFFFFFFFF	FFFFFFFFFF
RRRR	RRRRRRRR	UUU	UUU	NNN	NNN NNN	000	000	FFFFFFFFFF	FFFFFFFFFF
RRRRI	RRRRRRRR	UUU	UUU	NNN	NNN NNN	000	000	FFFFFFFFFF	FFFFFFFFFF
RRR	RRR	UUU	UUU	NNN	NNNNNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNNNNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNNNNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUUUUUUU		NNN	NNN		0000000	FFF	FFF
RRR	RRR	UUUUUUUU		NNN	NNH		0000000	FFF	FFF
RRR	RRR	UUUUUUUU	UUUUUUU	NNN	NNN	000	0000000	FFF	FFF

\_\$2

GGGGGGGG GG GG GG GG GG GG GG GG GG GG	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$		00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
		\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	

GT.

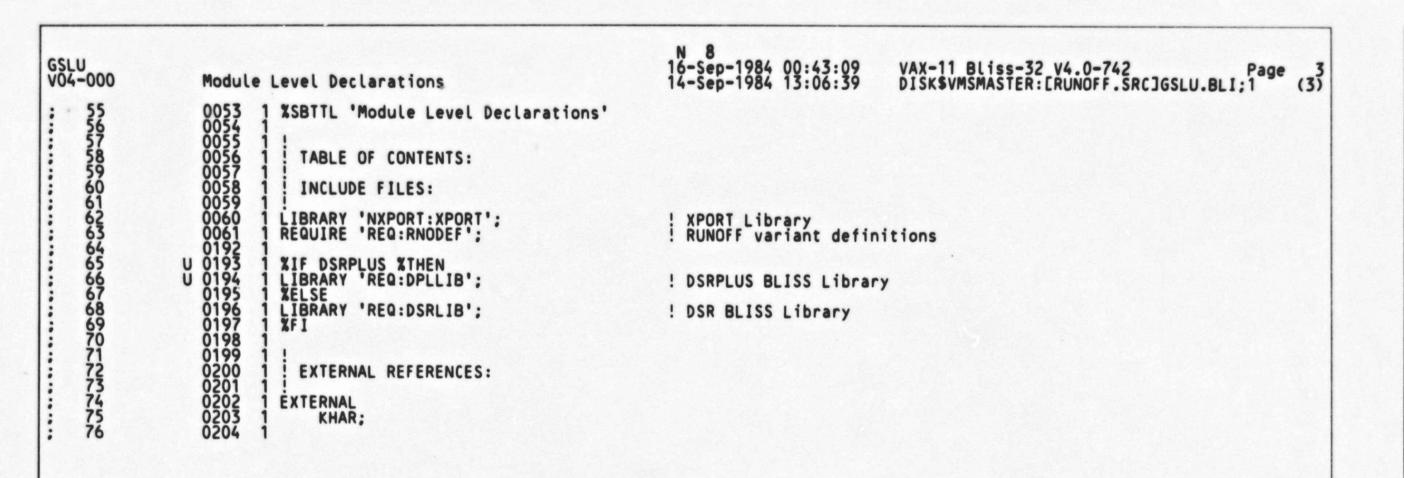
0041

GTA

GSLU V04-000	Revision History	M 8 16-Sep-1984 00:43:09 14-Sep-1984 13:06:39	VAX-11 Bliss-32 V4.0-742 Page 2 DISK\$VMSMASTER:[RUNOFF.SRC]GSLU.BLI;1 (2)
445 445 447 449 551 553	0043 1 %SBTTL 'Revision History' 0044 1	Ron Randall 07-Mar-1983 all modules. Updated module nam . Changed require files to BLIS	es idents, S library.

GTA VO4

SRELLEC



```
GSLU
V04-000
                                                                                                                           VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [RUNOFF.SRC]GSLU.BLI;1
                                                                                         16-Sep-1984 00:43:09
14-Sep-1984 13:06:39
                      Module Level Declarations
      78
79
80
                                  GLOBAL ROUTINE GSLU (INPUT_STRING, OUTPUT_STRING) =
    FUNCTIONAL DESCRIPTION:
                                    GSLU processes an unbroken sequence of letters, stopping when 1) a non-letter is found, or 2) the end of IRA is reached, or 3) OUTPUT_STRING is about to overflow. All letters encountered are transferred to OUTPUT_STRING
                                    after being first converted to upper case.
                                    FORMAL PARAMETERS:
                                            INPUT_STRING is the string to be scanned. The collected string of letters is left in OUTPUT_STRING.
                                    IMPLICIT INPUTS:
                                                                   None
                                     IMPLICIT OUTPUTS:
                                                                   None
                                    ROUTINE VALUE:
COMPLETION CODES:
                                            See GSLUCC.REQ for completion codes returned.
                                    SIDE EFFECTS:
                                                                   None
    106
107
                                       BEGIN
    108
                                       MAP
                                            OUTPUT_STRING : REF FIXED_STRING;
    110
                                       BIND
                                            IRA = INPUT_STRING : REF FIXED_STRING;
    112
                                       WHILE 1 DO
    114
                                            BEGIN
    115
    116
                                                                                         !Stop on a nonletter.
                                             IF NOT LETTER (.KHAR)
    118
                                            THEN
                                                  RETURN (IF .FS_LENGTH (OUTPUT_STRING) EQL O THEN GSLU_NONE ELSE GSLU_NORMAL);
    120
121
122
123
124
125
126
127
128
130
131
132
133
                                                  .FS_LENGTH (OUTPUT_STRING) EQL .FS_MAXSIZE (OUTPUT_STRING)
                                             THEN
                                                  (WHILE LETTER (.KHAR) DO (KCNS ()); RETURN GSLU_TOO_LONG); !Throw away excess letters.
                                            FS_WCHAR (OUTPUT_STRING, (IF UPPER_LETTER (.KHAR)
                                                                                                     !Convert to upper case and output the letter.
                                                    THEN
                                                         .KHAR ELSE UPPER_CASE (.KHAR)));
                                            KCNS ()
                                                                                                     !Get next character.
                                            END
                                                                                                     end of processing loop.
                                       END:
                                                                                                     !End of GSLU
```

			.TITLE GSLU .IDENT \V04-000\	1 3 3 6
			.EXTRN KHAR, RINTES	
			.PSECT \$CODE\$,NOWRT,2	
00000041 0000005A 00000061 0000007A	58 000000006 54 08 57 08 58 0000000006 68 000 68 000 60 000 60 000 60 000 60 000 60 000 60 000 60	AC DO 00009 AC DO 00001 AC DO 00015 A5 9E 00019 68 DO 0001D 1\$: 50 D1 00020 09 19 00027 50 D1 00029 23 15 00030 50 D1 00032 50 D1 00032 50 D1 00038 11 15 00042 AC DO 00044 3\$: AO D5 00048 04 12 0004B	LENTRY GSLU, Save R2,R3,R4,R5,R6,R7,R8  MOVAB KHAR, R8  MOVL OUTPUT_STRING, R4  MOVL OUTPUT_STRING, R7  MOVL IRA, R5  MOVAB 12(R5), R6  MOVL KHAR, R0  CMPL R0, #65  BLSS 2\$  CMPL R0, #90  BLEQ 5\$  CMPL R0, #97  BLSS 3\$  CMPL R0, #97  BLSS 3\$  CMPL R0, #122  BLEQ 5\$  MOVL OUTPUT_STRING, R0  TSTL 12(R0)  BNEQ 4\$	0205 0249 0256 0257 0244
	50	04 00050	MOVL #2, R0 RET MOVL #1, R0	
08	A7 OC	04 00054	RET	0240
00000041	50 04 53 00 51 8F	4B 12 0005A AC DO 0005C AO 9E 00060 68 DO 00064 6\$: 51 D1 00067	CMPL 12(R4), 8(R7) BNEQ 11\$ MOVL IRA, R0 MOVAB 12(R0), R3 MOVL KHAR, R1 CMPL R1, #65 BLSS 7\$	0249
000005A	8F	09 19 0006E 51 01 00070		
00000061	8F	51 01 00077	BLEQ 8\$ CMPL R1, #97	
0000007A	8F	51 D1 00082	BLEQ 8\$ CMPL R1, #97 BLSS 10\$ CMPL R1, #122 BGTR 10\$ TSTL (R3) BGTR 9\$ MOVZBL #RINTES, KHAR MNEGL #1, (R3) BRB 6\$ MOVZBL @4(R0), KHAR INCL 4(R0)	
	68 00G	8F 9A 0008F	MOVZBL WRINTES, KHAR	
	68 04	18 14 00089 63 D5 0008B 8\$: 09 14 0008D 8F 9A 0008F 01 CE 00093 CC 11 00096 B0 9A 00098 9\$: A0 D6 0009C 63 D7 0009F C1 11 000A1 03 D0 000A3 10\$: 04 000A6 68 D0 000A7 11\$:	DECL (R3)	
	50	03 DO 000A3 10\$:	MOVL #3, R0	
00000041	50 8F	68 DO 000A7 118:	MOVL KHAR, RO CMPL RO, #65	0256

HEA VO

	Declarati	ons				16-S 14-S	9 ep-1984 00:4 ep-1984 13:0			V4.0-742 RUNOFF.SRCJGSLU.BLI;1	e (4)
0	000005A 04	8F 50 82 68 66 68	04 00 006 04 04	99030024469F19556B	2006554A	000BC 12 000BF 13 000C3 000C6 000C9 000CB 000CD	INCL INCL TSTL BGTR MOVZBL MNEGL BRB S: MOVZBL INCL	#1 15\$ 94(R	R5), KHAR		0257
226 bytes,	Routine	Base:	\$CODE\$	+ 00							
0261 1 0262 1 END 0263 0 ELUDO	M						!End of	module	•		
	Bytes		SUMMARY			Attri	butes				
	226 bytes, 0261 1	226 bytes, Routine 0261 1 0262 1 END 0263 0 ELUDOM	04 B2  68 66 68  226 bytes, Routine Base:  0261 1 END 0263 0 ELUDOM	04 B2 04 0C 0C 68 00G 66 0A	04 B2 04 A2 06 A4 06 66 09 68 009 68 04 A5 66 FF3B  226 bytes, Routine Base: \$CODE\$ + 00 0263 0 ELUDOM	04 B2 50 90 04 A2 D6 0C A4 D6 06 D5 68 00G 8F 9A 66 01 CE 09 11 68 04 B5 9A 04 A5 D6 66 D7 FF3B 31  226 bytes, Routine Base: \$CODE\$ + 0000  0261 1 END 0263 0 ELUDOM	04 B2	68 006 8F 9A 000CD MOVZBL 66 01 CE 000D1 MNEGL 68 04 B5 9A 000D6 14\$: MOVZBL 04 A5 D6 000DA INCL FF3B 31 000DF 15\$: BRW  226 bytes. Routine Base: \$CODE\$ + 0000  PSECT SUMMARY  PSECT SUMMARY	66 01 CE 000D1 MNEGL W1. 68 04 B5 9A 000D6 14\$: MOVZBL 34(	68 00G 8F 9A 000CD MOVZBL WRINTES, KHAR MOVZBL WRINTES, KHAR MNEGL #1, (R6) 68 04 B5 9A 000D6 14\$: MOVZBL 34(R5), KHAR MNEGL #1, (R6) 68 04 A5 D6 000DA INCL 4(R5) 66 D7 000DD DECL (R6) 67 D8	66 01 CE 000D1 MNEGL #1. (R6) 09 11 00004 BRB 15\$ 68 04 B5 9A 00006 14\$: MOVZBL a4(R5), KHAR 04 A5 D6 000DA 66 D7 000DD FF3B 31 000DF 15\$: BRW 1\$  226 bytes, Routine Base: \$CODE\$ + 0000  10261 1 0262 1 END 0263 0 ELUDOM  PSECT SUMMARY

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]XPORT.L32:1 _\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32:1	590 1248	17	0	252 86	00:00.1 00:00.3

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:GSLU/OBJ=OBJ\$:GSLU MSRC\$:GSLU/UPDATE=(ENH\$:GSLU)

226 code + 0 data bytes ; Size:

E 9 16-Sep-1984 00:43:09 VAX-11 Bliss-32 V4.0-742 GSLU V04-000 Page 7 Module Level Declarations ; Run Time: 00:04.7 ; Elapsed Time: 00:14.0 ; Lines/CPU Min: 3386 ; Lexemes/CPU-Min: 15733 ; Memory Used: 70 pages ; Compilation Complete

HE

0342 AH-BT13A-SE

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